



PATIENT PRESENTING CLINICAL SIGNS

Miles Nelson History: Decreased appetite for 1 month, intermittent lethargy, straining to pass stool

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SPECIES

Canine

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

BREED

Lab Mix

Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 7.0 cm in length. The right kidney measured 7.2 cm in length.

SEX

Neutered Male

The area of the aortic trifurcation was free of pathology.

AGE

11 years

No overt pathology noted in the area of the residual prostate.

Adrenal Glands

WEIGHT

73.6 pounds

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.68 cm width at the caudal pole and 2.2 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.68 cm width at the caudal pole and 2.6 cm length.

INTERPRETED BY

R. McKenzie Daniel,
 DVM, DABVP
 (Canine and Feline)

Spleen

A mass involving the spleen with secondary asymmetrical capsule expansion and disruption was present and measured 11 - 12 cm in diameter. The parenchyma of the mass was mixed echogenic to nodular with focal areas of cystic to cavitated component. Concurrent expansive nonhomogeneous nodules to additional small masses were noted. The non-affected spleen exhibited primarily finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Regional perisplenic nonuniform mesentery was present around the mass with mild volume peritoneal free fluid.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
 ARDMS/RVT

HOSPITAL NAME

Leighton Animal
 Hospital

Liver

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion.

REFERRING VET

Dr. Carpenter

The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

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Gastrointestinal

The stomach presented regionally thickened walls exhibiting indistinct wall layering and subjective decreased mural echogenicity. The lumen of the stomach contained mild luminal gas and mild retained anechoic fluid present in the pylorus. The gastric body wall measured 0.93 cm in width.

DATE

04/19/2022



PATIENT

Miles Nelson

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

Normal visible proximal colon wall layers were present with apparent formed feces in lumen.

SPECIES

Canine

Pancreas

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

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Lab Mix

Free Abdomen

Regional perisplenic nonuniform mesentery was present around the mass with mild volume peritoneal free fluid.

SEX

Neutered Male

Other

A rapid view of the heart revealed no overt mass associated with the heart base or the area of the RA, concurrent mild volume pleural effusion was noted.

AGE

11 years

ULTRASONOGRAPHIC FINDINGS

WEIGHT

73.6 pounds

- Expansive nonhomogeneous splenic mass with concurrent nonhomogeneous intraparenchymal nodules.
- Regional perisplenic nonuniform mesentery and mild volume peritoneal free fluid.
- Thickened stomach.
- Mild hepatic parenchyma remodeling.
- Concurrent mild volume pleural effusion.

INTERPRETED BY

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DVM, DABVP
(Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The splenic mass is consistent with malignant neoplasia with primary concern for sarcoma and/or potential for round cell neoplasia. Strong concern for multicentric neoplasia involving the spleen, thoracic cavity given the presence of noncardiogenic pleural effusion and potential for early gastric involvement. The possibility of regional splenic omental seeding could be possible. Three view chest radiographs suggested for further assessment of the thorax. Although a definitive pericardial or thoracic mass was not identified, the presence of pleural effusion is strongly indicative of thoracic involvement assuming normal clotting status. A likely unfavorable prognosis is indicated.

IMAGING PERFORMED BY

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REFERRING VET

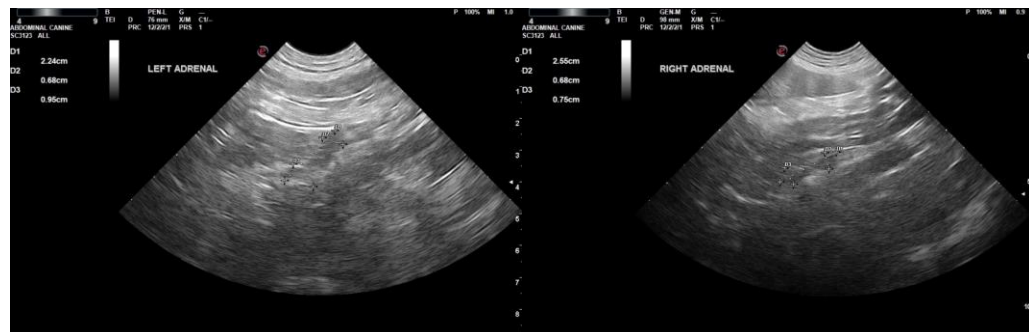
Dr. Carpenter

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WEIGHT

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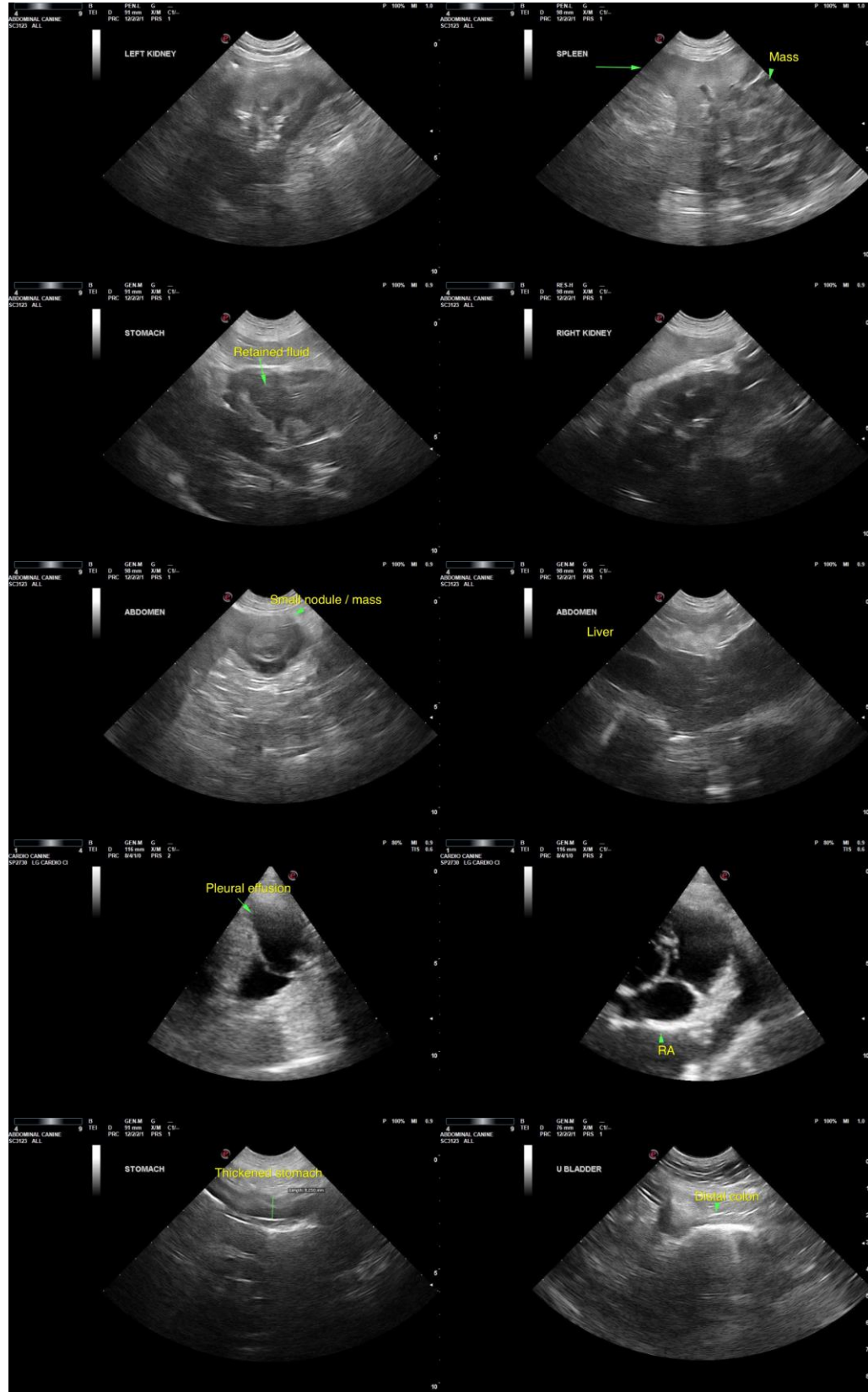
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PATIENT

Miles Nelson

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

Canine

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

BREED

Lab Mix

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)
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SEX

Neutered Male

AGE

11 years

WEIGHT

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